

Appl. No. : **09/676,727**
Filed : **September 29, 2000**

REMARKS

The foregoing amendments are responsive to the October 17, 2007 Office Action. Applicant respectfully request reconsideration of the present application in view of the foregoing amendments and the following remarks.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Response to Objection to Claim 55

The Examiner objected to Claim 55 because the next-to-last step had a period at the end of the step. This informality has been corrected.

Response to Rejection of Claims 10-22, 36-37, and 50-54 Under 35 U.S.C. 112 second paragraph

The Examiner rejected Claims 36-37 as being dependant on cancelled Claim 35. Claims 36 and 37 have been cancelled.

The Examiner rejected Claims 10-22, and 50-54 which depend on Claim 10 as “vague and indefinite because it is unclear what ‘said compressed nature’ is really referred to. Claim 10 has been clarified to refer to “said second equations.”

The Examiner rejected Claims 10-22 and 50-54 as failing to comply with the written description requirement. Specifically, the Examiner objected to the phrase “using said compressed nature to efficiently compute an electric field” used in Claim 10. Applicant believes this rejection is traversed by the amendments to clarify Claim 10. The specification clearly teaches using the second equations to compute an electric field as currently claimed (*see e.g.*, Figure 2 and the text related to Figure 2, the second paragraph on page 29, etc.)

Response to Rejection of Claims 1-22, 34, and 40-54 Under 35 U.S.C. 101

The Examiner rejected Claims 1-22, 34, and 39-54 under 35 U.S.C. 101 because the invention disclosed in the claims are directed to non-statutory subject matter.

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Applicant argues that the invention has a practical application, as it provides a more efficient method of computation. Furthermore, these claims do not "preempt every substantial application" since they do not preempt applications to image compression. For example, a single two dimensional image generates a matrix of data, and the methods of the present application may be used to compress that matrix also.

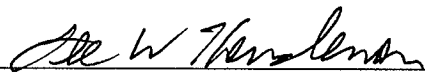
Summary

Applicant respectfully assert that Claims 1-22, 34, and 40-55 are allowable over the prior art, and Applicant request allowance of Claims 1-22, 34, and 40-55. If there are any remaining issues that can be resolved by a telephone conference, the Examiner is invited to call the undersigned attorney at (949) 721-6305 or at the number listed below.

Respectfully submitted,

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